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Masahiko Okada, M.D., Ph. D.
Professor Emeritus, Niigata University
Executive Director, Mizuno Memorial Hospital
Former Professor, Department of Clinical Preventive Medicine,
Niigata University School of Medicine, Japan

E-mail: masahiko602@gmail.com



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RESEARCH FIELDS

Atherosclerosis, Coronary heart disease, Lipid metabolism,
Adhesion molecules, Epidemiology, Statistics, Computer simulation model.
Developed and reported firstly the method to directly measure LDL cholesterol (see reference *1) and
Weighted Entropy (see reference *2).

PATENTS

Method for directly measuring LDL cholesterol.
Method for measuring triglyceride concentrations in VLDL and intermediate-density lipoprotein.

PERSONAL RECORDS

1986

IEEE Transactions on Biomedical Engineering, Associate Editor

IEEE Transactions on Biomedical Engineering, Special Issue on Medical Artificial Intelligence and information System, Guest Editor

1988

11th Annual International Conference, IEEE Engineering in Medicine and Biology Society, Seattle, Organizer

1989

2nd International Federation for Medical & Biological Engineering Pan Pacific Symposium, Melbourne, Invited Speaker

11th Annual International Conference, IEEE Engineering in Medicine and Biology Society, Seattle, Session Chair

1990

Department of Clinical Preventive Medicine, Niigata University, School of Medicine, Professor

12th Annual International Conference, IEEE Engineering in Medicine and Biology Society, Philadelphia, Session Chair

1991

13th Annual International Conference, IEEE Engineering in Medicine and Biology Society, Orland, Organizer

1992

14th Annual International Conference, IEEE Engineering in Medicine and Biology Society, Paris, Tutorial Lecture

1992

14th Annual International Conference, IEEE Engineering in Medicine and Biology Society, Orland, Session Chair

1994

16th Annual International Conference, IEEE Engineering in Medicine and Biology Society, Baltimore, Organizer

1995

7th Asia - Pacific Congress of Clinical Biochemistry, Bangkok, Symposium, Invited Speaker

1998

9th World Congress on Medical Informatics, Seoul, Session Chair

1999

Frontiers of Medical and Biological Engineering, Editor

Transactions of Japanese Society for Medical and Biological Engineering, Editor-in-Chief

Annual Symposium of Biomedical Engineering Society, Taiwan, ROC, Invited Speaker

2002

7th International Bayer Diagnostics Laboratory Symposium, Berlin, Invited Speaker

2012

32nd Joint Conference on Medical Informatics, Niigata, Japan, President

RESEARCH PAPERS / PUBLICATION

2018

Manabu Natsumeda, Takeo Uzuka, Jun Watanabe, Masafumi Fukuda, Yasuhisa Akaiwa, Kazuhiko Hanzawa, Masahiko Okada, Makoto Oishi, Yukihiko Fujii, High Incidence of Deep Vein Thrombosis in the Perioperative Period of Neurosurgical Patients. World Neurosurg doi: 10.1016/j.wneu.2017.12.139, 2018.

2012

Toshinari Aoki, Tsueko Abe, Eiji Yamada, Takayuki Matsuto, Masahiko Okada: Increased LDL susceptibility to oxidation accelerates future carotid artery atherosclerosis. Lipids Health Dis, 11: 1-7, 2012.

Masahiko Okada, Tsueko Abe: Long sleep increases the incidence of carotid artery atherosclerosis, ATHERO.ORG, September, 2012.

2011

Riichiro Ishida, Masahiko Okada: Association of trait anxiety and social desirability with white blood cell counts. Open Psychiatr J 5: 1-4, 2011.

Riichiro Ishida, Masahiko Okada: Factors influencing the development of "Purpose in Life" and its relationship to coping with mental stress. Psychology 2: 29-34, 2011.

Hirokazu Kawai, Moniru Nomot, Takeshi Suda, Kenya Kamimura, Atsunori Tsuchiya, Yasushi Tamura, Masahiko Yano, Masaaki Takamura, Masato Igarashi, Toshifumi Wakai, Satoshi Yamagiwa, Yasunobu Matsuda, Shogo Ohkoshi, Isao Kurosaki, Yoshio Shirai, Masahiko Okada, Yutaka Aoyagi. Multicentric occurrence of hepatocellular carcinoma with nonalcoholic steatohepatitis. World J Hepatol 3: 15-23, 2011.

Tsueko Abe, Toshinari Aoki, Syogo Yata, Masahiko Okada: Sleep duration is significantly associated with carotid artery atherosclerosis incidence in a Japanese population. Atherosclerosis 217: 509-513, 2011.

Michael A. Gradner, Shawn D. Youngstedt: Sleep duration and cardiometabolic risk commentary on Abe et al., "Sleep duration is significantly associated with carotid artery atherosclerosis incidence in a Japanese population". Atherosclerosis 217: 324-325, 2011.

Riichiro Ishida, Tsueko Abe, Masahiko Okada: Firmness of purpose in life significantly influences emotional state and automatic nervous activity. *Health 3*: 507-511, 2011.

2010

Tsueko Abe, Akiko Tsuda, Syogo Yata, Takayuki Matsuto, Masahiko Okada: Hypertension is a major risk factor for future atherosclerotic changes in the Japanese population. *Ann Clin Biochem 47*: 118-124, 2010.

2009

Masayoshi Masuko, Tatsuo Furukawa, Takashi Abe, Reiko Wada, Soichi Maruyama, Toshiki Kitajima Yasuhiko Shibasaki Ken Toba, Masahiko Okada, Yoshifusa Aizawa: A chronic myeloid leukemia patient with atypical karyotype and BCR-ABL e13a3 transcript caused by complex chromosome rearrangement. *Int J Hematol 90*: 230-234, 2009.

2008

Elfi Wardaningsih, Takashi Miida, Utako Seino, Yuriko Fueki, Masayuki Ito, Keisuke Nagasaki, Toru Kikuchi, Makoto Uchiyama, Satoshi Hirayama, Osamu Hanyu, Kazunori Miyake, Masahiko Okada: Low adiponectin state is associated with metabolic abnormalities in obese children, particularly depending on apolipoprotein E phenotype. *Ann Clin Biochem 45*(5): 496-503, 2008.

Takashi Miida, Utako Seino, Osamu Miyazaki, Osamu Hanyu, Satoshi Hirayama, Toshikazu Saito, Yuichi Ishikawa, Suguru Akamatsu, Toshimitsu Nakano, Katsuyuki Nakajima, Mitsuyo Okazaki, Masahiko Okada: Probucol markedly reduces HDL phospholipids and elevated pre β 1-HDL without delayed conversion into α -migrating HDL: Putative role of angiopoietin-like protein 3 in probucol-induced HDL remodeling. *Atherosclerosis 200*(2): 329-335, 2008.

2007

Yuriko Fueki, Takashi Miida, Elfi Wardaningsih, Masayuki Ito, Akira Nakamura, Akihiro Takahashi, Osamu Hanyu, Akiko Tsuda, Hisashi Saito, Hitoshi Hama, Masahiko Okada: Regular alcohol consumption improves insulin resistance in healthy Japanese men independent of obesity. *Clin Chim Acta 382*(1-2): 71-76, 2007

2006

Riichiro Ishida, Masahiko Okada: Effects of a firm purpose in life on anxiety and sympathetic nervous activity caused by emotional stress: assessment by psycho-physiological method. *Stress and Health 22*: 275-281, 2006.

P.Cao, S.Toyabe, S.Kurashima, M. Okada, K.Akazawa: A modified method of activity-based costing for objectively reducing cost drivers in hospitals. *Methods Inf Med 45*: 462-469, 2006.

Takashi Miida, Toshiyuki Yamada, Utako Seino, Masayuki Ito, Yuriko Fueki, Akihiro Takahashi, Keiichiro Kosuge, Satoshi Soda, Osamu Hanyu, Konen Obayashi, Osamu Miyazaki, Masahiko Okada: Serum amyloid A (SAA)-induced remodeling of CSF-HDL. *Biochim Biophys Acta 1761*(4): 424-433, 2006.

Ying Zhu, Jian Yao, Yiman Meng, Ayumi Kasai, Nobuhiko Hiramatsu, Kunihiro Hayakawa, Takashi Miida, Masayuki Takeda, Masahiko Okada, Masanori Kitamura: Profiling of functional phosphodiesterase in mesangial cells using a CRE-SEAP-based reporting system. *Br J Pharmacol 148*(6): 833-844, 2006.

2005

Masahiko Okada, Tomohiro Saito, Hajime Yoshimura, Yasuhiko Noguchi, Taeko Ito, Hiroko Sasaki, Hitoshi Hama: Surfactant-based homogeneous assay for the Measurement of triglyceride concentrations in VLDL and intermediate-density lipoprotein. *Clin Chem 51*(10): 1804-1810, 2005.

Ying Zhu, Masahiko Okada, Takayuki Matsuto, Takashi Miida: Prediction of the three-dimensional structure of proteins in the Lipid monolayer on the basis of α -helix bunding. The apolipoprotein B-100 structure. *Acta Med. Biol.* 53(2): 51-60, 2005.

Konen Obayashi, Osamu Hanyu, Takashi Miida, Yukio Ando, Masaaki Nakamura, Ying Zhu, and Masahiko Okada: Circadian rhythm of protein C in human plasma: Useful marker of autonomic function in liver. *Clin Auton Res 15*: 57-58, 2005.

2004

Masahiko Okada, Takayuki Matsuto, Takashi Miida, Konen Obayashi, Ying Zhu, and Yuriko Fueki: Lipid analyses for the management of vascular diseases. *J. Atheroscler Thromb* 11(4): 190-199, 2004.

Osamu Sugita, Nobuhito Ishizawa, Takayuki Matsuto, Masahiko Okada, Norihiko Kayahara: A new method of measuring the antioxidant activity of polyphenols using cumene hydroperoxide. *Ann Clin Biochem* 41: 72-77, 2004.

Takashi Miida, Bo Zhang, Konen Obayashi, Utako Seino, Ying Zhu, Takako Ito, Yuichi Nakamura, Masahiko Okada, Keijiro Saku. T13M mutation of lecithin-cholesterol acyltransferase gene causes fish-eye disease. *Clin Chim Acta* 343(1-2): 201-208, 2004.

Takashi Miida, Konen Obayashi, Utako Seino, Ying Zhu, Takako Ito, Keiichiro Kosuge, Satoshi Hirayama, Osamu Hanyu, Yuichi Nakamura, Toshio Yamaguchi, Takashi Tsuda, Yuji Saito, Osamu Miyazaki, Yasushi Nakamura, Masahiko Okada: LCAT-dependent conversion rate is a determinant of plasma pre β 1-HDL concentration in healthy Japanese. *Clin Chim Acta* 350: 107-114, 2004.

Konen Obayashi, Yukio Ando, Takashi Miida, Masaaki Nakamura, Taro Yamashita, Mitsuharu Ueda, Katsuki Haraoka, Hisayasu Terazaki, Masahiko Okada: Macroscopic assesment of skin venules in patients with familial amyloidotic polyneuropathy (FAP) using near-infrared spectrophotocopy: as a marker of autonomic dysfunction. *Amyloid and Amyloidosis*. In: Gilles G editor. CRC Press: 334-336, 2004.

2003

Takashi Miida, Osamu Miyazaki, Osamu Hanyu, Yuichi Nakamura, Satoshi Hirayama, Ichiei Narita, Fumitake Gejyo, Isei Ei, Kazuyuki Tasaki, Yutaka Kohda, Takashi Ohta, Syogo Yata, Isamu Fukamachi, Masahiko Okada: LCAT-dependent conversion of pre β 1 HDL into a-migrating HDL is severely delayed in hemodialysis patients. *J Am Soc Nephrol*. 14:732-738, 2003.

Takashi Miida, Osamu Miyazaki, Yasushi Nakamura, Satoshi Hirayama, Osamu Hanyu, Isamu Fukamachi, and Masahiko Okada: Analytical performance of a sandwich enzyme immunoassay for pre β 1-HDL in stabilized plasma. *J Lipid Res* 44:645-650, 2003.

2002

Tomoo Ando, Akira Tanaka, Sadahumi Fukasaku, Ristuko Takada, Masahiko Okada, Kazuhiko Ukai, Kazuhiko Shizuka, Hiroshi Oyamada, Haruo Toda, Tomokazu Taniyama, Tomoaki Usui Makoto Yoshizawa, Tooru Kiryu, Mineo Takagi, Shinya Saida, Takehiko Bando: Pupillary and cardiovascular responses to a video movie in senior human subjects. *Auton Neurosc* 97: 129-135, 2002.

Takashi Miida, Yuichi Nakamura, Toru Mezaki, Osamu Hanyu, Seitaro Maruyama, Yoshinori Horikawa, Sachiko Izawa, Yukio Yamada, Hiroshi Matsui, Masahiko Okada: LDL-cholesterol and HDL-cholesterol decrease during the day. *Ann Clin Biochem* 39:241-249, 2002.

2001

Masahiko Okada, Hiroshi Matsui, Yasuki Ito, Akira Fujiwara: Direct measurement of HDL cholesterol. Method eliminating apolipoprotein E-rich particles. *J Clin Lab Anal* 15: 223-229, 2001.

Masahiko Okada, Riichiro Ishida: Direct measurement of low-density-lipoprotein cholesterol is more effective than total cholesterol for the purpose of lipoprotein screening. *Prev Med* 32: 224-229, 2001.

Riichiro Ishida, Masahiko Okada: Endurance training in young subjects: Effects on the autonomic nervous system. *Acta Med Biol* 49(2): 53-60, 2001.

2000

Masahiko Okada, Takashi Miida, Hitoshi Hama, Shogo Yata, Takao Sunaga, Akiko Tsuda, Hisashi Saito: Possible risk factors of carotid artery atherosclerosis in the Japanese population: A primary prevention study in non-diabetic subjects. *Int Med* 39(5): 362-368, 2000.

Masahiko Okada, Takashi Miida, Akira Fujiwara, Noriyoshi Inomata: Autoantibodies against oxidized low-density lipoprotein correlate with Achilles tendon xanthoma. *Clin Chem Lab Med* 38(6): 501-506, 2000.

Takumi Kurabayashi, Masahiko Okada, Kenichi Tanaka: Eicosapentaenoic acid effect on hyperlipidemia in menopausal Japanese women. *Obst Gyne* 96(4): 521-528, 2000.

Takashi Miida, Kazuyuki Ozaki, Toru Murakami, Takayuki Kashiwa, Toru Yamadera, Takashi Tsuda, Koichi Inano, Masahiko Okada: Pre β 1 high-density lipoprotein (pre β 1-HDL) concentration can change with low-density lipoprotein-cholesterol (LDL-C) concentration independent of cholesteryl ester transfer protein (CETP). *Clin Chim Acta* 292: 69-80, 2000.

Takashi Miida, Katsuyuki Sakai, Kazuyuki Ozaki, Yuichi Nakamura, Toshio Yamaguchi, Takashi Tsuda, Takayuki Kashiwa, Toru Murakami, Koichi Inano, Masahiko Okada: Bezafibrate increases pre β 1-HDL at the expense of HDL2 in hypertriglyceriemia. *Arterioscler. Thromb Vasc Biol* 20(11): 2428-2433, 2000.

Koichi Inano, Isao Suetake, Takayuki Ueda, Yasuko Miyake, Masahiko Nakamura, Masahiko Okada, Shoji Tajima: Maintenance-type DNA methyltransferase is highly expressed in post-mitotic neurons and localized in the cytoplasmic compartment. *J Biochem* 128(2): 315-321, 2000.

Koichi Inano, Shizuo Tezuka, Takashi Miida, Masahiko Okada: Capillary isotachophoretic analysis of serum lipoproteins using a carrier ampholyte as spacer ion. *Ann Clin Biochem* 37: 708-716, 2000.

1999

Masahiko Okada: Conference report: 12th Fall Conference of the Japanese Society of Medical Electronics and Biological Engineering (JSMBE) . *IFMBE News* 36: 6-7, 1999.

Takashi Miida, Fusako Yamazaki, Miho Sakurai, Reiko Wada, Tohru Yamadera, Katsuhisa Asami, Mari Hoshiyama, Atsushi Tanaka, Koichi Inano, Masahiko Okada: The apolipoprotein E content of HDL in cerebrospinal fluid is higher in children than in adults. *Clin Chem* 45(8): 1294-1296, 1999.

Takashi Miida, Toshiyuki Yamada, Toru Yamadera, Kazuyuki Ozaki, Koichi Inano, Masahiko Okada: Serum amyloid A protein generates pre β 1 high-density lipoprotein from α -migrating high-density lipoprotein. *Biochemistry* 38(51): 16958-16962, 1999.

1998

Masahiko Okada, Hiroshi Matsui Yasuki Ito, Akira Fujiwara, Koichi Inano: Low-density lipoprotein cholesterol can be chemically measured: A new superior method. *J Lab Clin Med* 132(3): 195-201, 1998.

Masahiko Okada, Mari Hoshiyama: Authors' reply to letter to the editor, oxidation of LDL cholesterol. *Ann Clini Biochem* 34: 1-2, 1998.

Riichiro Ishida, Masahiko Okada: Effects of physical training on heart rate variability and blood cell counts in healthy adults. *Acta Med Biol* 46: 139-146, 1998.

Mihoko Okada, M. Takaba, S. Kaihara, Masahiko Okada: Formal representation of summary tables for health care statistical database management. *Comput Biomed Res* 31: 426-450, 1998.

Takashi Miida, Hideaki Otsuka, Atsushi Tsuchiya, Masahiko Okada: Plasma lipoprotein profiles change significantly during cardiac catheterization. *Clin Chem* 44(3): 517-521, 1998.

Takashi Miida, Toshio Yamaguchi, Takashi Tsuda, Masahiko Okada: High pre β 1-HDL levels in hypercholesterolemia are maintained by probucol but reduced by a low-cholesterol diet. *Atherosclerosis* 138: 129-134, 1998.

1997

Masahiko Okada, Takayuki Matsuto, Takashi Miida, Koichi Inano: Differences in the effects of cytokines on the expression of adhesion molecules in endothelial cells. *Ann Med Interne* 148(2): 125-129, 1977.

Masahiko Okada, Yasuki Ttoh, Koichi Inano, Takashi Miida, Takayuki Matsuto: Structural changes in oxidative modification of low-density lipoprotein: investigation using lipid peroxidation products, surface charge, and spectrophotometric patterns. *Ann Clin Biochem* 34: 173-178, 1997.

Takashi Miida, Koichi Inano, Toshio Yamaguchi, Takashi Tsuda, Masahiko Okada: Lpa-I levels do not reflect pre β 1-HDL levels in human plasma. *Atherosclerosis* 133: 221-226, 1997.

1996

Masahiko Okada, Takayuki Matsuto, Shuuichi Satoh, Shuuichi Igarashi, Miyako Baba, Osamu Sugita, Mihoko Okada: Role of pulse wave velocity for assessing autonomic nervous system activities in reference to heart rate variability. *Med Inf* 21(1): 81-90, 1996.

Masahiko Okada: Internet revolutions: present and future of laboratory data communication within and between hospitals, *Proceedings of the 7th Asian-Pacific Congress of Clinical Biochemistry*: 61-63, 1996.

Masahiko Okada, Osamu Sugita, Takayuki Matsuto, Takashi Miida, Koichi Inano: Endothelial cell damage: the effects of mechanical forces produced by flow division. *Cell Eng.* 1(4): 183-187, 1996.

Minoru Fukuda, Tetsuya Moroda, Shinichi Toyabe, Tsuneo Iiai, Yasuyuki Kawachi, Hiromi Takahashi-Iwanaga, Toshihiko Iwanaga, Masahiko Okada, Toru Abo: Granulocytosis induced by increasing sympathetic nerve activity contributes to the incidence of acute appendicitis. *Biomed Res* 17(2): 171-181, 1996.

Takashi Miida, Yuichi Nakamura, Masahiko Okada: Development of coronary atherosclerosis in asymptomatic heterozygous patients with familial hypercholesterolemia. *J Cardiol* 28(2): 71-77, 1996.

Takashi Miida, Yuichi Nakamura, Koichi Inano, Takayuki Matsuto, Toshio Yamaguchi, Takashi Tsuda, Masahiko Okada: Pre β 1-high-density lipoprotein increases in coronary artery disease. *Clin Chem* 42(12): 1992-1995, 1996.

Toshiyuki Yamada, Takashi Miida, Yoshihisa Itoh, Tadashi Kawai, Merrill D Benson: Characterization of serum amyloid A4 as a plasma apolipoprotein. *Clin Chim Acta* 251: 105-112, 1996.

1995

Masahiko Okada, Osamu Sugita, Takashi Miida, Takayuki Matsuto, Koichi Inano: Effects of modified low density lipoprotein and hypoxia on the expression of endothelial leukocyte adhesion molecule-1, *Eur J Med (La Presse Medicale)*, 24(10): 483-488, 1995.

Satoshi Kimura, Osamu Sugita, Takayuki Matsuto, Masahiko Okada, Yasuyuki Igarashi: HPLC application for phosphoinositides analyses of A431 cells and human platelets, *Acta Med Biol* 43(1): 59-62, 1995.

Osamu Sugita, Yae Tomiyama, Takayuki Matsuto, Masahiko Okada, Fumitake Gejo, Masaaki Arakawa, S.Takahashi, Y.Watazu, N.Kaneda: A new enzymatic method for the determination of inulin. *Ann Clin Biochem* 32: 561 -565, 1995.

1994

Masahiko Okada, Takayuki Matsuto, Osamu Sugita, Satoshi Kimura, Hideaki Matsumoto, Tokuhiko Okada: A simple method to measure red blood cell deformability by centrifugation, *Eur J Med (La Presse Medicale)*, 23(35): 1613-1615, 1994.

Masahiko Okada, Osamu Sugita, Takashi Miida, Yuko Makino, Noriko Komoro: Endothelial cell responses to controlled pulsatile flow at the bifurcation of a model vessel, *16th Annual International Conference of the IEEE/EMBS* 1: 291-292, 1994.

Toshiyuki Yadada, Toshihiko Kakiyama, Fumitake Gejyo, Masahiko Okada: A monoclonal antibody recognizing apolipoprotein E peptides in systemic amyloid deposits, *Ann Clin Lab* 24(3): 1994.

1993

Masahiko Okada, Osamu Sugita, Yuko Makino, Takayuki Matsuto: Lan Hongxing: A system for generating pulsatile flow and shear stress to investigate cultured vascular cell functions, Proceedings of the Annual International Conference of the IEEE Engineering in Medicine and Biology Society 15, IEEE Press: New York, pp. 922-923, 1993.

Mihoko Okada, Myles O'Brien, Masahiko Okada: IntroStat: a Hypertext-based electronic textbook to introduce fundamental methods of biomedical statistics, Proceedings of the Annual International Conference of the IEEE Engineering in Medicine and Biology Society, 15, IEEE Press: New York, pp. 634-635, 1993.

Toshiyuki Yamada, Yasuhiro Nomata, Osamu Sugita, Masahiko Okada: A rapid method for measuring serum amyloid A protein by latex agglutination nephelometric immunoassay, Ann Clin Biochem 30: 72-76, 1993.

Toshiyuki Yamada, Osamu Sugita, Masahiko Okada, Takayuki Matsuto: Use of chemiluminescent acridinium ester label for cellular uptake assay of low density lipoprotein, Ann Clin Biochem 30: 490-491, 1993.

Tetsuo Nakayama, Satomi Sonoda, Takashi Urano, Toshiyuki Yamada, Masahiko Okada: Monitoring both serum amyloid protein A and C-reactive protein as inflammatory markers in infection diseases. Clin Chem 39(2): 293-297, 1993.

Hiroyuki Miwata, Toshiyuki Yamada, Masahiko Okada, Toyochiro Kudo, Hiroshi Kimura, Tsuneo Morishima: Serum amyloid A protein in acute viral infections. Arch Dis Child 68: 210-214, 1993.

1992

Mihoko Okada, Masahiko Okada, Hideo Tohma, Akinori, Hisashige, Tetsuo Kawamura, Koji Yamamoto: A study on appropriate allocation of comedical staff in hospital, Proceedings of the Annual International Conference of the IEEE Engineering in Medicine and Biology Society. IEEE Press: New York, pp.1150-1151, 1992.

Osamu Sugita, Toshiyuki Yamada, Masahiko Okada, Kunio Takeuchi: Reference values of serum and urine creatinine, and of creatinine clearance by a new enzymatic method. Ann Clin Biochem 29: 523-528, 1992.

Osamu Sugita, Toshiyuki Yamada, Takayuki Matsuto, Masahiko Okada: Preparation of LDL from dextran-sulfate cellulose column after plasmapheresis, Progress in Clinical Biochemistry. Excerpta Medica: Tokyo, pp. 467-468, 1992.

1991

Masahiko Okada: A method to evaluate arterial pulse wave velocity by age and blood pressure. J Clin Comput 10(1): 1-20, 1991.

Masahiko Okada, Mihoko Okada: The pursuit of a portable clinical data base system written by FORTRAN, Proceedings of the Annual International Conference of the IEEE Engineering in Medicine and Biology Society, IEEE Press: New York, pp.1212-1213, 1991.

Masahiko Okada: Usefulness of daily patients data for monitoring laboratory test results, Quality Control in the Clinical Laboratory '91, Excerpta Medica: Tokyo, pp.289-300, 1991.

1990

Masahiko Okada: Arterial pulse wave velocity as a measure of cardiovascular stress, proceedings of the Annual International Conference of the IEEE Engineering in Medicine and Biology Society, IEEE Press: New York, pp. 550-551, 1990.

Masahiko Okada: Method for quality control of laboratory tests using histograms of daily patient data. J Clin Comput 18(5)&(6): 120-129, 1990.

1989

Masahiko Okada, Mihoko Okada: Knowledge representation and compilation for symptom-disease-test relationships, IEEE Trans Biomed Eng 36(5): 547-551, 1989.

Masahiko Okada, Minoru Yakata: A method for representing knowledge in laboratory medicine and its application, Proceedings of the 2nd International Federation for Medical and Biological Engineering pan Pacific Symposium. The

Australian Federation for Medical & Biological Engineering: Melbourne, pp. 110-111, 1989.

Masahiko Okada, Mihoko Okada and Minoru Yakata: Decomposition of age curves of cancer-mortality rate, MEDINFO 89 (Proceedings of the Sixth World Conference on Medical Informatics. North-Holland: Amsterdam, pp. 765-769, 1989.

Masahiko Okada, Mihoko Okada, Minoru Yakata: Evaluation of arterial pulse wave velocity on the basis of multivariate analysis, Proceedings of the Annual International Conference of the IEEE Engineering in Medicine and Biology Society. IEEE Press: New York, pp. 136-137, 1989.

Masahiko Okada, Minoru Yakata: A new concept for the interpretation of blood chemistry on the basis of stability of measurements. J Clin Comput 18(1): 14-26, 1989.

Stanley M. Finkelstein, Peter L. N. Kerkhof, Masahiko Okada: Guest editorial, Medical Applications of Artificial Intelligence and Information Systems. IEEE Trans Biomed Eng. 36(5): 501-502, 1989.

Tomomi Kuwana, Osamu Sugita, Masahiko Okada, Minoru Yakata: A combined lectin precipitation method for differentiating modified bone alkaline phosphatase in serum. Clin Chim Acta 185(2): 211-212, 1989.

1988

Masahiko Okada, Taku Nakajima, Noriyuki Eizuka, Yoshiaki Saitoh, Minoru Yakata: Isochronal map of chest wall vibration with cardiokymography Comput. Meth Prog biomed 26(2): 105-114, 1988.

Masahiko Okada: Possible determinants of pulse-wave velocities in vivo, IEEE Trans Biomed Eng BME-35(5): 357-361, 1988.

Masahiko Okada, Mihoko Okada, Minoru Yakata: A discrimination value of serum lipid level on the basis of healthy and diseased persons. Med Inform 13(2): 81-92, 1988.

Mihoko Okada, Masahiko Okada: Prolog-based system for nursing staff scheduling implemented on a personal computer, Comput Biomed Res 21(1): 53-63. 1988.

Mihoko Okada, Masahiko Okada: A new approach to the nurse scheduling problem, Proceedings of the Annual International Conference of the IEEE Engineering in Medicine and Biology Society. IEEE Press: New York, pp. 1446-1447, 1988.

1987

Satoshi Kimura, Masahiko Okada: Multivariate prediction of pathological state with laboratory test results, Proceedings of Symposium of the Clinical Pathology Committee of the Pathological Society of the Republic of China, The Clinical Pathology Committee of the Pathological Society of the Republic of China: Taipei, pp. 26-28, 1987.

1986

Masahiko Okada, Satoshi Kimura, Mihoko Okada: Estimation of arterial pulse wave velocities in frequency domain: method and clinical considerations. Med Biol Eng. Comput. 24(3): 255-260, 1986.

Masahiko Okada, Mihoko Okada: Portable file management system in FORTRAN · II. The input/output routine for free-format text, Comput. Meth. Prog Biomed 22(2): 199-207, 1986.

Masahiko Okada, Mihoko Okada: An algorithm to manage variable-length records for highly portable clinical data base systems, Comput. Biomed Res 19(3): 244-236, 1986.

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Mihoko Okada, Masahiko Okada: Information management of drug-drug interactions based on formal representation, IEEE Trans. Syst Man Cybern CMC-16(3): 358-364, 1986.

1985

Masahiko Okada, Mihoko Okada: An algorithm to count the number of repeated patient data entries with B tree, *Comput. Biomed Res* 18(2): 121-124, 1985.

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1984

Masahiko Okada, Mihoko Okada, Minoru Yakata: Portable file management system in FORTRAN, *Comput. Prog Biomed* 19(1): 47-51, 1984.

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1983

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Masahiko Okada: A method for estimating renal functions based on the radioisotope renogram *Comput Biomed Res* 16(3): 218-233, 1983.

Masahiko Okada, Mihoko Okada, Minoru Yakata: Scoring method for diagnosis of methylmercury poisoning. *J Clin Comput* 12(3): 64-76, 1983.

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1982

Masahiko Okada, Mihoko Okada: "Emergency medical care information system: Present and future", in *Applications of Computers in Medicine*, Ed. M. D. Schwarz, IEEE Press: New York, pp. 224-233, 1982.

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Kohji Tamura, Masahiko Okada: Three dimensional graphic display of cardiac motion abnormalities in myocardial infarction. *Computers in Cardiology (Proceedings of the Computers in Cardiology)*, IEEE Press: New York, pp. 417-420, 1982.

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